

9662-110

sixteen-point 24 VDC non-commoned field termination assembly

sixteen independent 24 VDC output field circuits

PRODUCT SNAPSHOT

BRAND

Triconex

FAMILY

Tricon field-termination system

PART

9662-110

PRODUCT TYPE

sixteen-point 24 VDC non-commoned field te

APTER POWER SALES TEAM

WHATSAPP / PHONE

+86 180 3023 5313

EMAIL

sales13@apterpower.com

WEBSITE

www.apterpower.com



PRODUCT OVERVIEW

sixteen independent 24 VDC output field circuits

1

Terminates sixteen 24 VDC points

2

Keeps the points non-commoned

3

Pairs with the documented 3604E output module

4

Provides a defined field-wiring boundary

SYSTEM COMPONENTS

Tricon 3604E digital output module

approved 24 VDC field-power circuits

documented Tricon chassis and cables

individual field loads and protective devices

TECHNICAL NOTE

Confirm the 9662-110 marking, 3604E pairing, every point number, individual field supply, fuse or protective device and load polarity before disconnection; do not convert the installation to a commoned arrangement.

TECHNICAL DATA

PARAMETER	VALUE
Complete model	9662-110
Field voltage	24 V DC
Point count	16
Commoning	Non-commoned
Documented module pairing	3604E digital output module

PARAMETER	VALUE
Function	Field termination and protected distribution
System	Tricon controller field terminations
Reference figure	9662-110 field wiring diagram
Official publication	9700052-018

ENGINEERING NOTE

Confirm the 9662-110 marking, 3604E pairing, every point number, individual field supply, fuse or protective device and load polarity before disconnection; do not convert the installation to a commoned arrangement.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Siemens 6SE7031 7HG84 1JC2	Related industrial automation product	View Siemens 6SE7031 7HG84 1JC2 page
Siemens 6SE7031 7HG84 1JC1	Related industrial automation product	View Siemens 6SE7031 7HG84 1JC1 page
Anybus AB9001 B	Related industrial automation product	View Anybus AB9001 B page
ABB RPBA 01 3ABD64606859	Related industrial automation product	View ABB RPBA 01 3ABD64606859 page
Bently Nevada 330877 080 37 00	Related industrial automation product	View Bently Nevada 330877 080 37 00 page
Bently Nevada 330909 00 80 10 02 00	Related industrial automation product	View Bently Nevada 330909 00 80 10 02 00 page
Bently Nevada 330703 000 050 10 02 00	Related industrial automation product	View Bently Nevada 330703 000 050 10 02 00 page
Bently Nevada 330703 000 060 10 02 00	Related industrial automation product	View Bently Nevada 330703 000 060 10 02 00 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Independent 24 VDC output termination

Terminates sixteen 24 VDC points

Safety-system actuator wiring

Keeps the points non-commoned

Non-commoned field-power distribution

Pairs with the documented 3604E output module

Tricon termination replacement

Provides a defined field-wiring boundary

PRODUCT PRECAUTIONS

- 1 Verify the complete 9662-110 marking and its assigned Tricon field-termination system position before work.
- 2 Place the connected independent 24 vdc output termination process in the approved maintenance state.
- 3 Isolate applicable power and sixteen independent 24 vdc output field circuits field energy before disconnection.
- 4 Record every connector, conductor, address, firmware and software identity before removal.
- 5 Use ESD controls and protect keyed interfaces, exposed contacts and electronic assemblies.
- 6 Confirm the installed Tricon 3604E digital output module and approved 24 VDC field-power circuits against the approved project.
- 7 Restore power in a controlled sequence and review device, network and host diagnostics.
- 8 Prove the intended safety-system actuator wiring function and retain the final test result.

ENGINEER FAQ

Q1 What makes the 9662-110 termination assembly non-commoned?

Its sixteen 24 VDC field points remain electrically independent rather than sharing one field common, preserving separate power paths for the documented arrangement.

Q2 For 9662-110, how many field circuits are terminated by this assembly?

The exact model terminates 16 independent 24 VDC points; every point number, supply and return must remain traceable.

Q3 Which Tricon output module is paired with 9662-110?

The Field Terminations Guide documents the assembly with the 3604E digital output module; verify that pairing before changing field wiring.

Q4 For 9662-110, why must a commoned termination panel not replace this model directly?

Changing to a commoned arrangement would alter the documented field-power segregation. Any such change requires a controlled system-design review, not a like-for-like replacement.

Q5 For 9662-110, what should be captured from each circuit before disconnection?

Record the point number, individual 24 VDC supply and return, connected load, polarity, fuse or protective device and the 3604E channel assignment.

Q6 For 9662-110, where is the field-wiring boundary for maintenance checks?

Use the 9662-110 field wiring diagram in publication 9700052-018 to trace the termination assembly between the 3604E output path and each independent field load.

Q7 For 9662-110, how should the sixteen points be checked before energization?

Verify point-to-point continuity, absence of unintended commoning, load polarity and protective-device placement with all field supplies isolated.

Q8 For 9662-110, what acceptance test confirms the restored termination assembly?

Energize the independent supplies under control, exercise each assigned 3604E output and confirm the correct field load operates without cross-channel coupling or diagnostics.

SOURCE Tricon Field Terminations Guide | 9700052-018

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